Data Sheet (Cat.No.T209337)

TargetMol

Antiproliferative agent-49

Chemical Properties

CAS No. :

Formula: C22H18N2O2S

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Antiproliferative agent-49 (Compound 5a) is an EGFR-TK inhibitor with an IC50 of 0.09 μM and serves as an antiproliferative agent. It exhibits significant activity against HER3 and HER4, with IC50 values of 0.18 and 0.37 μM, respectively. Additionally, Antiproliferative agent-49 triggers the mitochondrial apoptotic pathway and enhances ROS accumulation.
Targets(IC50)	Apoptosis,EGFR
In vitro	Antiproliferative agent-49 (0.09 μM, 24 h) arrests the HepG-2 cell cycle at the G1/S phase.

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